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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

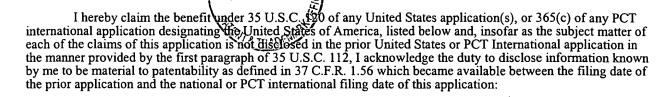
Declaration for Patent Application

sa named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

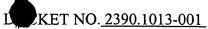
I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	APPARATUS AN	ND METHOD FOR	PACKET SCHEDULING						
the spe	ecification of which	(check one)							
[]	is attached hereto			•					
[X]	was filed on June 6, 2000 as United States Application								
	Number or PCT I	nternational Applica	ation No. 09/588,619		•				
	and was amended	on	(if applicable).	•					
includi	I hereby state that	t I have reviewed an	d understand the contents of the abdment referred to above.	ove-ide	ntified	spec	cifica	tion,	
define	I acknowledge the d in 37 C.F.R. §1.56		formation which is known by me to	be ma	terial t	o pat	ental	oility	as
country any for	ent or inventor's cer y other than the Uni reign application for	tificate or 365(a) of ted States of Americ	ts under 35 U.S.C. 119(a)-(d) or 36 any PCT international application ca, listed below and have also ident a certificate, or of any PCT internationity is claimed:	which c ified be	lesigna low, b	ited a	t leas	st one g the	box,
		<u>Pr</u>	ior Foreign Application(s)	N	ority lot imed	Y Y		ified Filed N	l? IO
(Numb	oer)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Numb	per)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Numb	per)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
I hereb	y claim the benefit	under 35 U.S.C. §11	9(e) of any United States provision	nal appl	lication	ı(s) li	isted	belov	v.
60/15 (Appli	3,148 cation Number)	·	September 9, 1999 (Filing Date)						
(Applie	cation Number)		(Filing Date)						



(Application Serial No.))	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.))	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.))	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Smi Customer No. 2100	th & Reyn	reby appoint the attorney olds, P.C., Two Militia I	s and/or agents associated with Orive, Lexington, Massachusetts 02421-4799
and			
to prosecute this applica	ntion and to	transact all business in the	he Patent and Trademark Office connected therewith.
Please send corresp	ondence t	o:	
[X] Customer No.			K, SMITH & REYNOLDS, P.C.
or		Two Militia Drive Lexington, MA 02421	-4799
[] Address as foll		Lexington, MA 02421	
[] Address as foll			-4799 Telephone No.: 781-861-6240
[] Address as foll Direct telephore	ne calls to:	Lexington, MA 02421	
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to	es to: es to: te that all so d belief are false statem of the Un	James M. Smith, Esq. James M. Smith, Esq. tatements made herein of the believed to be true; and then the sand the like so made ited States Code and that	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to Section 1001 of Title 18	es to: es to: te that all so d belief are false statem of the Un	James M. Smith, Esq. James M. Smith, Esq. tatements made herein of the believed to be true; and then the sand the like so made ited States Code and that	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful it Section 1001 of Title 18 of the application or any	es to: es to: te that all so d belief are false statem of the Un y patent iss	James M. Smith, Esq. James M. Smith, Esq. James M. Smith, Esq. tatements made herein of e believed to be true; and nents and the like so made ited States Code and that ued thereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to Section 1001 of Title 18 of the application or any Full name of sole or first inventor Inventor's Signature	es to: es to: et that all so de belief are false statem of the Un y patent iss William	James M. Smith, Esq. James M. Smith, Esq. tatements made herein of e believed to be true; and ents and the like so made ited States Code and that ued thereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to Section 1001 of Title 18 of the application or any Full name of sole or first inventor	es to: es to: es to: es that all sid belief are false statem of the Un y patent iss William	James M. Smith, Esq. James M. Smith, Esq. James M. Smith, Esq. tatements made herein of e believed to be true; and nents and the like so made ited States Code and that ued thereon. T. Dally ernier Place	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the e are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to Section 1001 of Title 18 of the application or any Full name of sole or first inventor Inventor's Signature Residence	re that all sind belief are false statem of the Unity patent iss William 1068 V Stanfor	James M. Smith, Esq. James M. Smith, Esq. James M. Smith, Esq. tatements made herein of the believed to be true; and thents and the like so made ited States Code and that used thereon. J. Dally ernier Place d, California 94035	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the e are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity Date Date
Direct telephor Direct facsimil I hereby declar made on information an knowledge that willful to Section 1001 of Title 18 of the application or any Full name of sole or first inventor Inventor's Signature Residence	re that all state that all state that all state statem and the United States of the United States william 1068 V Stanfor U.S.A.	James M. Smith, Esq. James M. Smith, Esq. James M. Smith, Esq. tatements made herein of e believed to be true; and nents and the like so made ited States Code and that ued thereon. T. Dally ernier Place d, California 94035	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity Date

•	NOV 1 5 .: 100 A 3-	
Full name of second joint	\&. \&/	
inventor, if any	Philip P. Carvey	
Inventor's Signature		Date
Residence	7 Daniels Road	
	Bedford, Massachusetts 01730	
Citizenship	U.S.A.	
	As above	
•	Paul A. Beliveau	
Residence	5 Garrison Road	
	Arlington, Massachusetts 02474	
Citizenship	U.S.A.	
Post Office Address	As above	
Full name of fourth joint		
inventor, if any	William F. Mann	
Inventor's Signature		Date
Residence	23 Checkerberry Circle	
	Sudbury, Massachusetts 01776	
Citizenship	U.S.A.	
Post Office Address		
Full name of fifth joint		
inventor, if any	Larry R. Dennison	
Inventor's Signature		Date
Residence	505 Nahatan Street	
	Norwood, Massachusetts 02062	
Citizenship	U.S.A.	
Post Office Address	As above	





Declaration for Patent Application

As a named inventor, I hereby declare that:

By residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

APPARATU	IS AND METHOD FOR	PACKET SCHEDULING			
the specification of w	hich (check one)				
[] is attached he	ereto.				
[X] was filed on	June 6, 2000 as U	Jnited States Application			:
Number or P	CT International Applica	ation No. 09/588,619			
and was ame	nded on	(if applicable).			
I hereby state including the claims,	e that I have reviewed an	d understand the contents of the ab	ove-identified	l specifica	tion,
I acknowledged and in 37 C.F.R. §		formation which is known by me to	be material	to patental	oility as
for patent or inventor' country other than the any foreign application	s certificate or 365(a) of United States of Americ	ts under 35 U.S.C. 119(a)-(d) or 36 any PCT international application ca, listed below and have also ident a certificate, or of any PCT international is claimed:	which designation of the designa	ated at leas	st one g the box,
	<u>Pr</u>	ior Foreign Application(s)	Priority Not Claimed		ified Filed? NO
(Number)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
(Number)	(Country)	(Day/Month/Year filed)	_ []	[]	[]
I hereby claim the be	nefit under 35 U.S.C. §1	19(e) of any United States provision	nal application	n(s) listed	below.
60/153,148 (Application Number)	September 9, 1999 (Filing Date)			
(Application Number)	(Filing Date)			

#3

-2-

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
As a named inventor, Hamilton, Brook, Smith & R Customer No. 21005,	I hereby appoint the attorned Reynolds, P.C., Two Militia	ys and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and	·	
to prosecute this application as	nd to transact all business in	the Patent and Trademark Office connected therewith.
Please send corresponden	ice to:	
[X] Customer No.	21005 HAMILTON BROOT	K, SMITH & REYNOLDS, P.C.
or	Two Militia Drive Lexington, MA 0242	
or [] Address as follows:	Two Militia Drive	
[] Address as follows:	Two Militia Drive	1-4799
[] Address as follows: Direct telephone calls	Two Militia Drive Lexington, MA 0242	1-4799 Telephone No.: 781-861-6240
Direct telephone calls Direct facsimiles to: I hereby declare that made on information and belies to be showned by the control of the contro	Two Militia Drive Lexington, MA 02421 s to: James M. Smith, Esq. James M. Smith, Esq. all statements made herein of the fare believed to be true; and the like so made to United States Code and that	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 f my own knowledge are true and that all statements further that these statements were made with the le are punishable by fine or imprisonment, or both, under
Direct telephone calls Direct facsimiles to: I hereby declare that made on information and believed that willful false structure factors are section 1001 of Title 18 of the	Two Militia Drive Lexington, MA 02421 s to: James M. Smith, Esq. James M. Smith, Esq. all statements made herein of the fare believed to be true; and the like so made to United States Code and that	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 f my own knowledge are true and that all statements further that these statements were made with the le are punishable by fine or imprisonment, or both, under
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Direct telephone calls Direct facsimiles to: I hereby declare that made on information and belies showledge that willful false struction 1001 of Title 18 of the of the application or any pater. Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 sto: James M. Smith, Esq. James M. Smith, Esq. all statements made herein of the fare believed to be true; and attements and the like so made to United States Code and that it issued thereon.	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 f my own knowledge are true and that all statements further that these statements were made with the le are punishable by fine or imprisonment, or both, under
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Direct telephone calls Direct facsimiles to: I hereby declare that made on information and believed that willful false strong the application or any patents. Full name of sole or first inventor	Two Militia Drive Lexington, MA 02421 sto: James M. Smith, Esq. James M. Smith, Esq. all statements made herein of the fare believed to be true; and the like so made to United States Code and that it issued thereon. lliam J. Dally Solverner Place Inford, California 94035	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 f my own knowledge are true and that all statements of further that these statements were made with the le are punishable by fine or imprisonment, or both, under t such willful false statements may jeopardize the validity
Direct telephone calls Direct facsimiles to: I hereby declare that made on information and belieknowledge that willful false structured for the application or any patern full name of sole or first inventor	Two Militia Drive Lexington, MA 02423 s to: James M. Smith, Esq. James M. Smith, Esq. all statements made herein of the property of the pro	Telephone No.: 781-861-6240 Facsimile No.: 781-861-9540 f my own knowledge are true and that all statements of further that these statements were made with the le are punishable by fine or imprisonment, or both, under t such willful false statements may jeopardize the validity

Full name of second joint Philip P inventor, if any _ Inventor's Signature_ Date _____ 7 Daniels Road Residence Bedford, Massachusetts 01730 U.S.A. Citizenship _____ Post Office Address _____ As above Full name of third joint Paul A Belivear inventor, if any ___ Date 8 November 2000 Inventor's Signature_ 36 Milo White Road Residence _____ Jerieho, Vermont 05465 U.S.A. Citizenship _____ Post Office Address As above Full name of fourth joint inventor, if any ___ William F. Mann Inventor's Signature___ ____ Date ____ Residence _____ 23 Checkerberry Circle Sudbury, Massachusetts 01776 Citizenship _____ U.S.A. Post Office Address Full name of fifth joint inventor, if any Larry R. Dennison Inventor's Signature_ _____ Date ____ 505 Nahatan Street Residence Norwood, Massachusetts 02062 Citizenship ____ U.S.A.

Post Office Address As above



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

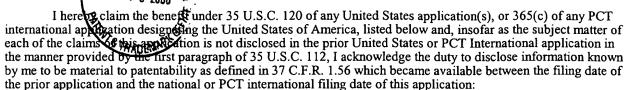
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the spe	ecification of which ((check one)								
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	and was amended	on	(if applicable).							
includi	I hereby state that ing the claims, as am	I have reviewed an lended by any amen	d understand the contents of the ab	ove-ide	ntified	spec	ificat	ion,		
define	I acknowledge the d in 37 C.F.R. §1.56	e duty to disclose in	formation which is known by me to	be mat	erial to	pate	entab	ility a	iS	
country any for	ent or inventor's cert y other than the Unit	ificate or 365(a) of ed States of Americ patent or inventor's ication on which pr	ts under 35 U.S.C. 119(a)-(d) or 36 any PCT international application ca, listed below and have also identic certificate, or of any PCT internationity is claimed: rior Foreign Application(s)	which d fried bel onal ap Pri	esignation, by plication	ted a che on ha	t leas cking wing Cert	t one the l a fili	oox, ng	
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(Numb	er)	(Country)	(Day/Month/Year filed)	[]	[]	[]	
I hereb	y claim the benefit u	ınder 35 U.S.C. §11	19(e) of any United States provision	al appli	cation	(s) li	sted t	elow	<i>1</i> .	
	3,148		September 9, 1999							
(Appli	cation Number)		(Filing Date)							
(A1;	cation Number)		(Filing Date)							





(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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	th & Reynolds,		ys and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and			
to prosecute this applic	ation and to tran	sact all business in	the Patent and Trademark Office connected therewith.
Please send corres	ondence to:		
[X] Customer No.	HA Tw	005 MILTON, BROO o Militia Drive xington, MA 0242	K, SMITH & REYNOLDS, P.C. 1-4799
or		9 ,	
[] Address as fol	lows:		
Direct telepho	ne calls to: <u>Jan</u>	nes M. Smith, Esq.	Telephone No.: 781-861-6240
		nes M. Smith, Esq.	Facsimile No.: 781-861-9540
on information and beli that willful false statem	ef are believed t ents and the like United States Co	to be true; and further so made are punish ode and that such w	f my own knowledge are true and that all statements made er that these statements were made with the knowledge nable by fine or imprisonment, or both, under Section illful false statements may jeopardize the validity of the
Full name of sole			
or first inventor	William J. D	Dally	
Inventor's Signature	···		Date
Residence	1068 Vernie	er Place	
<u></u>	Stanford, Ca	alifornia 94035	
Citizenship			
Post Office Address	As above		
			,

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Full name of second join	ıt .	TRADEMARK.				
inventor, if any	Philip P. Garvey					
Inventor's Signature	Spring X Coa	41	Date .	11/6/00		
Residence	7 Daniels Road					
	Bedford, Massachusetts 01730					
Citizenship	U.S.A.					
Post Office Address	As above					
Full name of third joint						
inventor, if any	Paul A. Beliveau					
Inventor's Signature			_ Date .			
Residence	5 Garrison Road					
	Arlington, Massachusetts 02474					
Citizenship	U.S.A.					
	As above					
Full name of fourth joint						
inventor, if any	William F. Mapn					
Inventor's Signature	William + Man		_ Date .	11/6/00		
	23 Checkerberry Circle			·		
	Sudbury, Massachusetts 01776		,			
Citizenship	U.S.A.					
Full name of fifth joint						
inventor, if any						
Inventor's Signature	Larry R. Den		_ Date _	11/7/00		
Residence	505 Nanatan Street					
	Norwood, Massachusetts 02062					
Citizenship	U.S.A.					
Post Office Address	As above					